

# TURN SIGNAL FLASHER ASSEMBLY

## ON-VEHICLE INSPECTION

### 1. INSPECT TURN SIGNAL FLASHER CIRCUIT

- (a) Check the power source circuit and ground circuit.
  - (1) Remove the turn signal flasher relay from the instrument panel junction block.
  - (2) Measure the voltage and resistance of the instrument panel junction block.

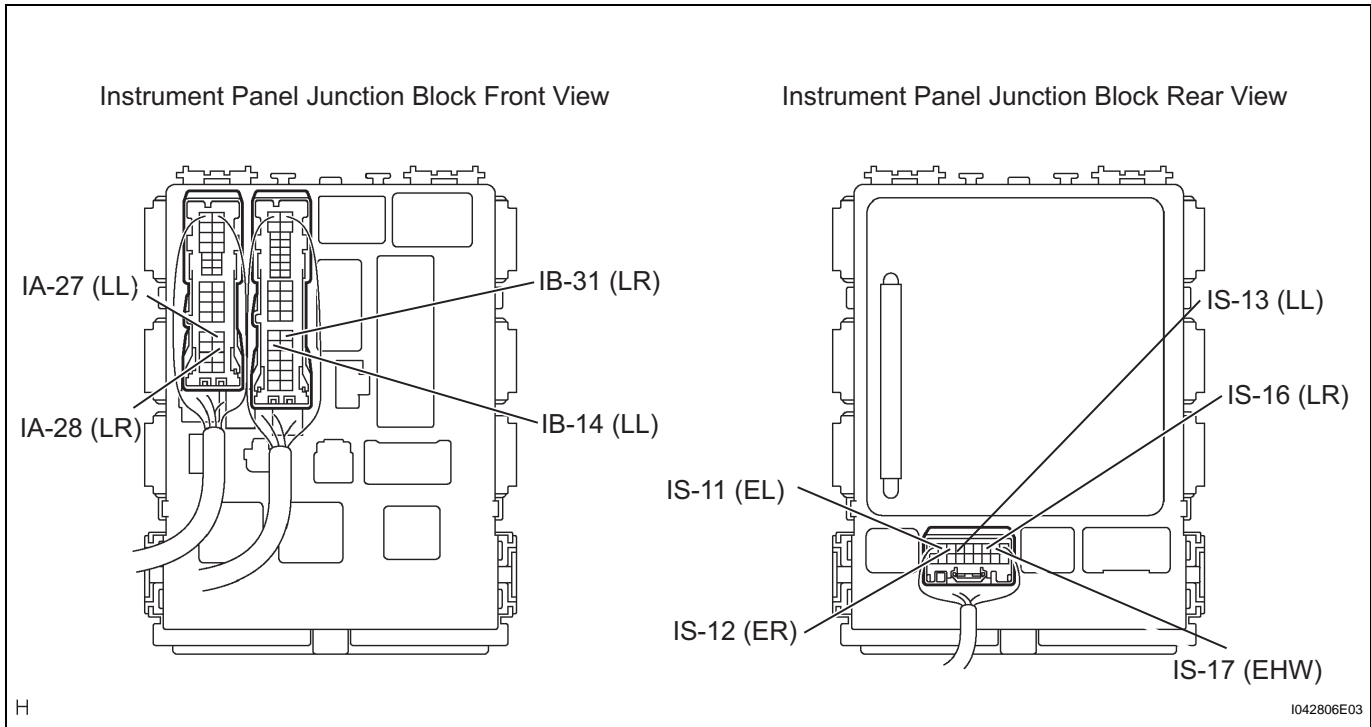
#### Standard voltage

Tester Connection	Condition	Specified Condition
Instrument panel junction block turn signal flasher relay terminal 1 (IG) - Body ground	Ignition switch OFF	Below 1 V
Instrument panel junction block turn signal flasher relay terminal 1 (IG) - Body ground	Ignition switch ON	10 to 14 V
Instrument panel junction block turn signal flasher relay terminal 4 (+B) - Body ground	Always	10 to 14 V

#### Standard resistance

Tester Connection	Specified Condition
Instrument panel junction block turn signal flasher relay terminal 7 (GND) - Body ground	Below 1 $\Omega$

- (b) Check the output operation signal.  
 (1) Install the turn signal flasher relay onto the instrument panel junction block.



- (2) Measure the voltage of the instrument panel junction block.

### Standard voltage

Tester Connection	Condition	Specified Condition
IA-27 (LL) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IA-27 (LL) - Body ground	Turn signal switch (left turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IA-28 (LR) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IA-28 (LR) - Body ground	Turn signal switch (right turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IB-14 (LL) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IB-14 (LL) - Body ground	Turn signal switch (left turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IB-31 (LR) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IB-31 (LR) - Body ground	Turn signal switch (right turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IS-11 (EL) - Body ground	Turn signal switch (left turn) OFF → ON	10 to 14 V → 0 V
IS-12 (ER) - Body ground	Turn signal switch (right turn) OFF → ON	10 to 14 V → 0 V
IS-13 (LL) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IS-13 (LL) - Body ground	Turn signal switch (left turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IS-16 (LR) - Body ground	Hazard warning switch OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IS-16 (LR) - Body ground	Turn signal switch (right turn) OFF → ON	0 V → 10 to 14 V (60 to 120 times per minute)
IS-17 (EHW) - Body ground	Hazard warning switch OFF → ON	10 to 14 V → 0 V

If the result is not as specified, replace the turn signal flasher relay.